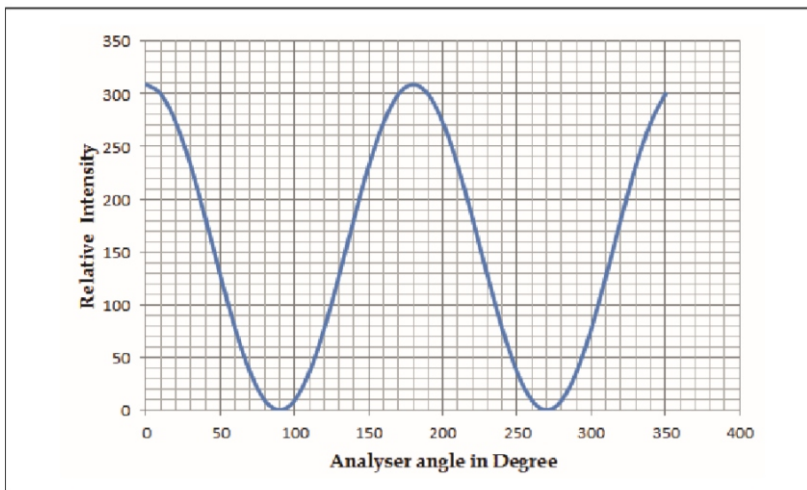


## Experiment(s):

### 1. Verification of Malu's Law of Polarization

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



For fixed position of polarizer, the graph shows variation of intensity with change in analyzer angle

Reference : Lab Experiments Journal vol-15, No.3, Page-201



## KAMALJEETH INSTRUMENTS

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Website: [www.kamaljeeth.net](http://www.kamaljeeth.net), Email: [labexperiments@kamaljeeth.net](mailto:labexperiments@kamaljeeth.net)

## Experiment Setup Consists:

- a) Optical Bench
- b) Light Intensity Meter

## Specifications:

a) **Optical Bench:** Aluminium Alloy Rail of length 1m

**Uprights:** Free movement sliders on rail - 4 Nos

**Laser:** 625nm Red (ML-1908R) or  
540 nm Green (ML-1908G)  
5mW Semiconductor diode Laser

**Power Supply:** Regulated Output and output protection DC Power supply, Mains operated 220V 50Hz or 110V 60Hz

**Polarizer:** Graduated 360° scale with LC 1°, mountable on to Upright

**Analyzer:** Graduated 360° scale with LC 1°, mountable on to Upright

**Optical Detector:** Relative Intensity measurable for Lasers up to 10mW.

b) **Light Intensity Meter:** Measures relative light intensity with range selection switch, Mains operated 220V

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